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Choose the right light for you: basic for occasional testing, deluxe for advanced field testing.

FEATURES

- Choose from Basic or Deluxe models for data center testing all the way to long-haul runs.
- Auto wavelength recognition and adjustable power on the Deluxe models save you valuable testing time.
- Operate in continuous wave (CW) or modulated mode.
- Feature three output frequencies: 270 Hz, 1 kHz, and 2 kHz.
- Lightweight and easy to carry.
- Use with our Fiber Optic Power Meters to measure optical loss.

FOLS-SM-100 *FOLS-MM-100*

FOLS-SM-200 *FOLS-MM-200*

OVERVIEW

Basic Light Sources

These basic light sources are ideal for the data center and occasional fiber testing.

- Operate in continuous wave (CW) or modulated mode.
- Choose from three output frequencies: 270 Hz, 1 kHz, and 2 kHz.
- Include a rechargeable lithium ion battery and an AC adapter.
- An auto-off feature saves battery power.
- A single-output connector provides stable power at dual wavelengths.
- An LCD backlight enables you to work in the dark.
- Include a FC/PC interchangeable connector.
- Compact units are lightweight and easy to carry.

Deluxe Light Sources

- Auto wavelength recognition automatically uses the proper calibration parameters.
- Adjust the output power up and down in 0.1-dB increments from -2 to -8 dBm, reducing errors and communication time between two techs.
- Operate in continuous wave (CW) or modulated mode.
- Choose from three output frequencies: 270 Hz, 1 kHz, and 2 kHz.
- Advanced light source is ideal for testing long-haul runs.
- A single-output connector provides stable power at dual wavelengths.
- Include two NiMH AA rechargeable batteries and an AC adapter.
- An auto-off feature saves battery power.
- Low-battery indicator reminds you to recharge the battery.
- An LCD backlight enables you to work in the dark.
- Include a FC/PC interchangeable connector.

TECH SPECS

Adjustable Range — Deluxe models only: ±3 dB, 0.1 dB/steps
Auto Power-Off — Yes
Backlightling — Yes
Central Wavelength — Single-Mode: 1310 ± 20 nm,1550 ± 20 nm; Multimode: 850 ± 10 nm, 1300 ± 20 nm
Emitter Type — Laser Diode (LD)
Fiber Type — Single-mode or multimode
Laser — Class 1
Output Frequency — 270 Hz, 1 kHz, 2 kHz
Output Power — -5.0 dBm ± 1 dB
Output Stability* —
Basic models: Short term (15 minutes): less than 0.1 dB;
Long term (5 hours or more): less than 0.2 dB;
Deluxe models:
Short term (15 minutes):
Single-mode: less than ± 0.05 dB at 1310 and 1550 nm;
Multimode: ±0.1 dB at 850 and 1300 nm;
Long term (5 hours):
Single-mode: less than 0.1 dB at 1310, 1550 nm;
Multimode: ± 0.2 dB at 850 and 1300 nm
Output Wavelength (nm) —
Single-mode: 1310 nm, 1550 nm; Multimode: 850 nm, 1300 nm
Spectral Width — 5 nm
Temperature — Operating: +14 to +122° F (-10 to +50° C);
Storage: -4 to +155° F (-20 to +70° C)
Connectors — FC/PC, SC/PC, ST/PC interchangeable connectors
Power — Lithium ion rechargeable battery (included), AC adapter (included);
Deluxe models: (2) Ni-MH (AA) rechargeable batteries (included), AC adapter (included)
Size — Basic models: 4.5"H x 2.5"W x 1.2"D (11.4 x 6.4 x 3.1 cm);
Deluxe models: 6.3"H x 3"W x 1.8"D (16 x 7.6 x 4.5 cm)
Weight — Basic models: 0.31 lb. (0.14 kg);
Deluxe models: 0.6 lb. (0.3 kg)

* Valid at 1550 nm, CW, 73° F ±5° F (23° C ± 5° C); relative humidity: less than or equal to 70% with an FC connector

Pro-Tips

Test before you pull.

One of the first things you should do when working on a new fiber installation is test the fiber on the reel. Use a visual light source or fault locator to check for kinks, cracks, and breaks in the cables. If there's a problem, you'll know it before you spend a lot of time and money on installation.

Item		Code
Basic Light Sources		
Single-Mode		**FOLS-SM-100**
Multimode		**FOLS-MM-100**
Deluxe Light Sources		
Single-Mode		**FOLS-SM-200**
Multimode		**FOLS-MM-200**
You may also need...		
Single-Channel Optical Tap, 50/50 Split Ratio		
Multimode	50-µm	**TS243A**
	62.5-µm	**TS240A-R2**
Single-Mode	9-µm	**TS244A**
10-GB Optical Tap, 50/50 Split Ratio		
Multimode	50-µm	**TS245A**
ingle-Mode	9-µm	**TS246A**
Rackmount Bracket, 19", 1U		**TS253**